



# Austin COMMUNITY 2015 CLIMATE PLAN

## Resource Management Commission

October 20, 2015



AUSTIN TRANSPORTATION DEPARTMENT



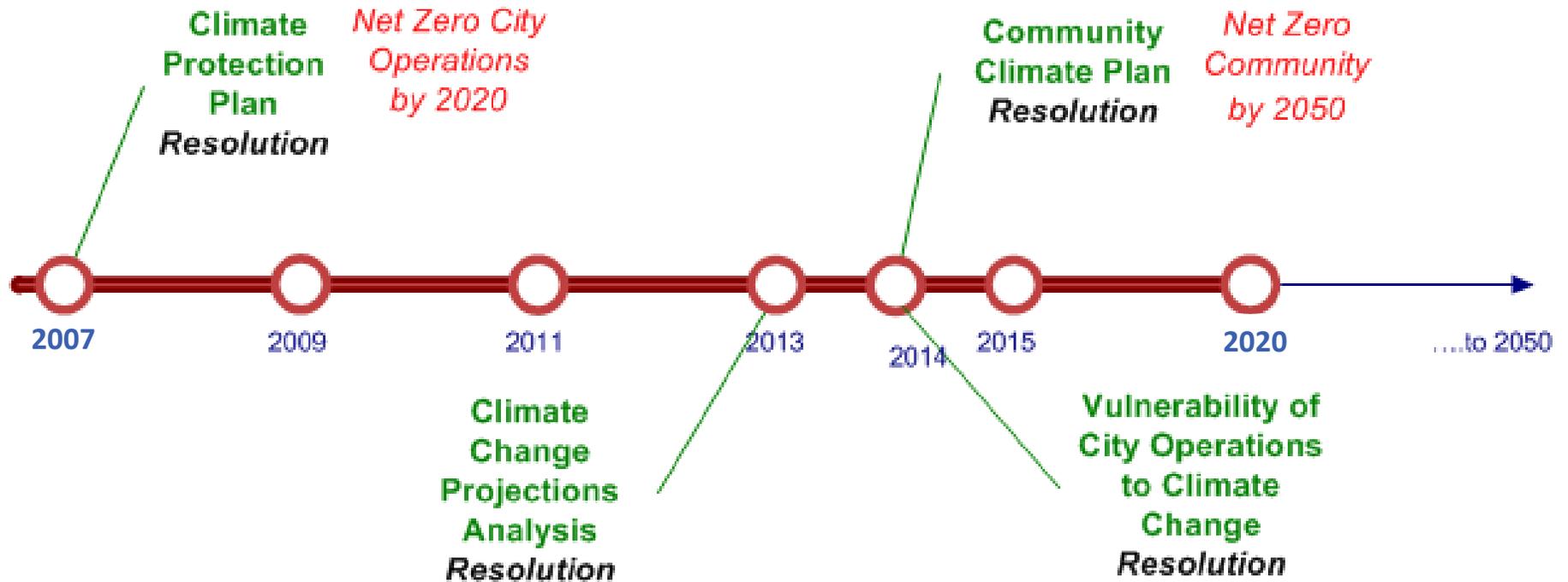


# Agenda

1. Community Climate Plan Refresher
2. Community Climate – Implementation Phase
3. Other Projects

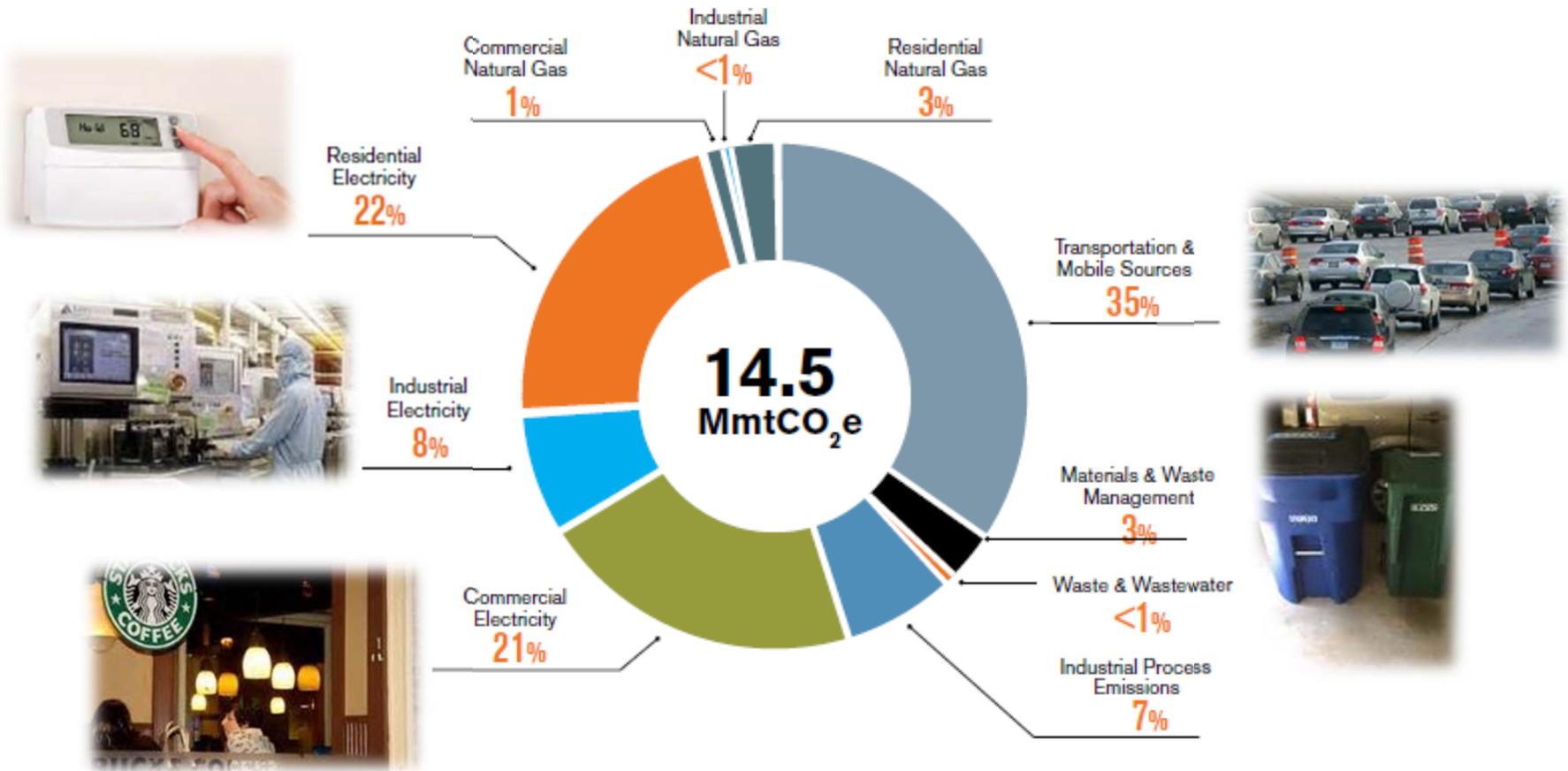


# City Council Climate Resolutions



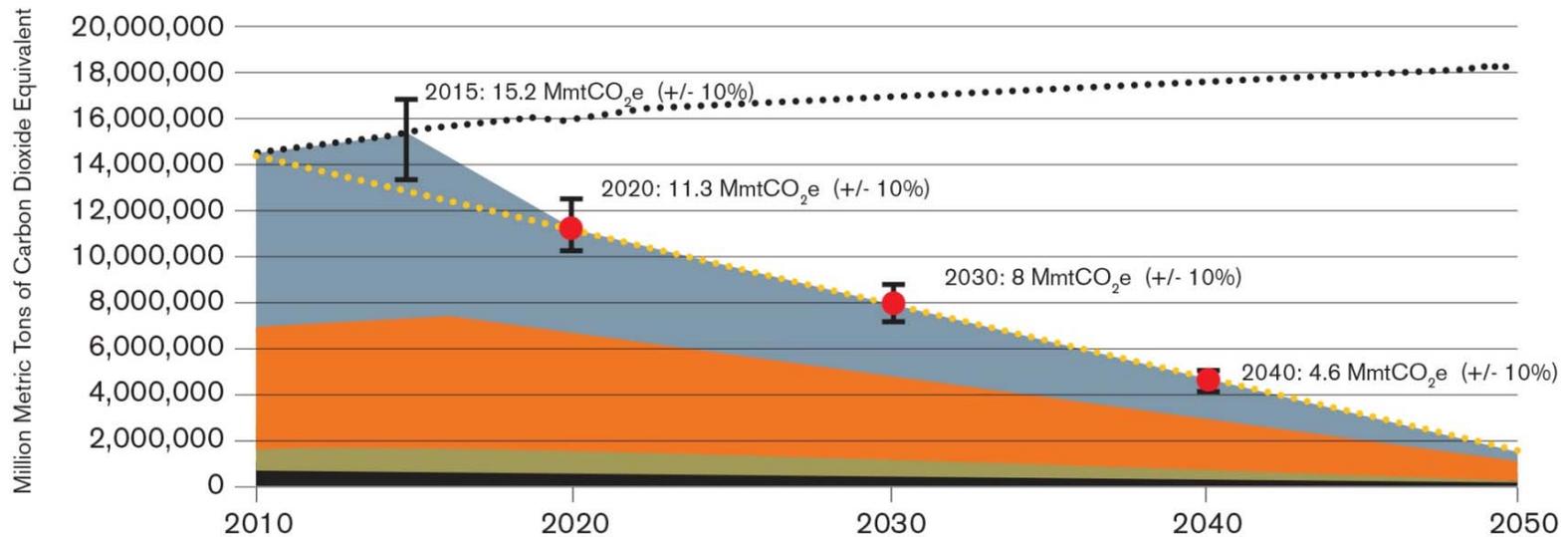


# 2010 Estimated Travis County Greenhouse Gas Inventory





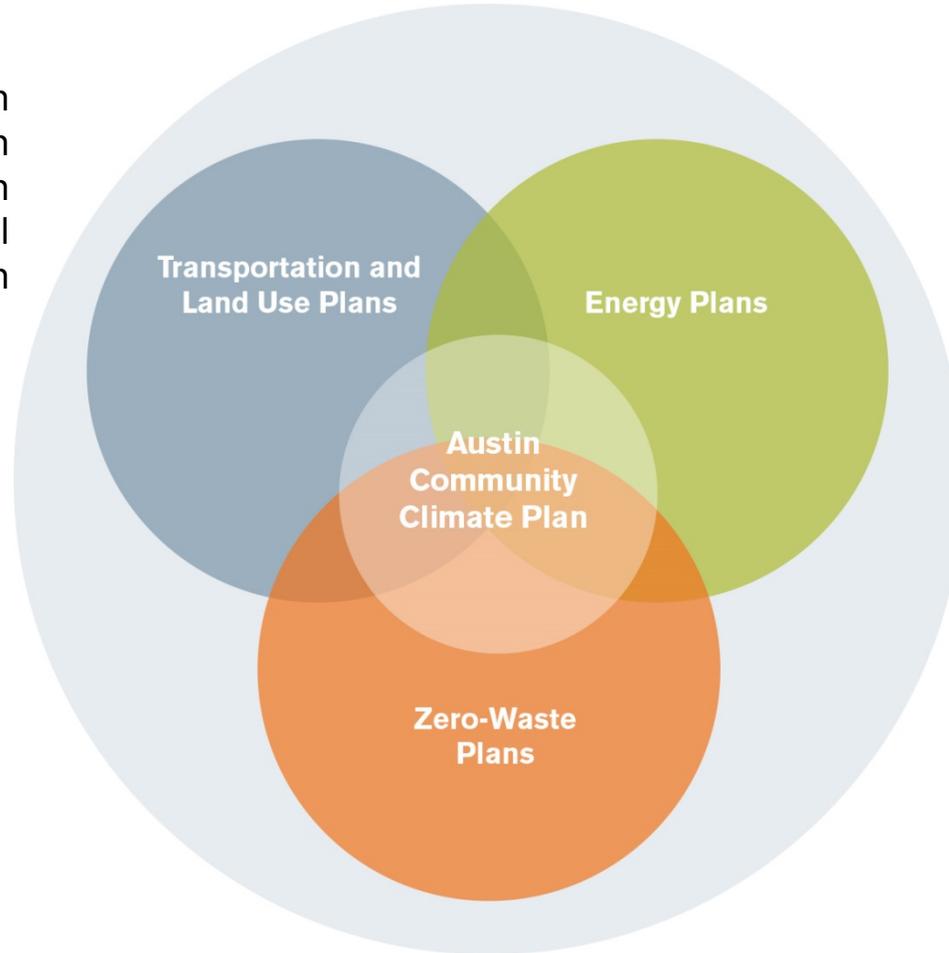
# What does net-zero in 2050 mean?





# Coordinating to Reach Common Goals

Imagine Austin  
Austin Bicycle Master Plan  
Urban Trails Master Plan  
CAMPO 2035 Regional  
Transportation Plan



Austin Energy Resource,  
Generation, and Climate  
Protection Plan

Austin Resource Recovery Master Plan



# Technical Advisory Group Strategies

## Electricity and Natural Gas

- Buildings and Integrated Efficiency
- Promote Behavior Change
- Resource Technologies

## Transportation and Land Use

- Infrastructure and Service
- Land Use
- Demand Management
- Policy and Planning
- Vehicles and Fuel Efficiency
- Economic and Pricing Solutions

## Materials and Waste Management

- Organics Diversion
- Purchasing
- Methane Management
- Recycle / Reduce / Reuse

## Industrial Process

- Fuel Switching
- Process Optimization
- Capture and Destruction
- Local Offsets



# Additional Recommendations

- Develop implementation plan for Phase 1 actions and public outreach plan by summer of 2016.
- Determine feasibility of carbon impact statement for major City Council decisions.
- Determine feasibility of local carbon fee or trading and investment program.
- Continue climate research and resilience planning efforts.





# June 2015 Council Resolution Summary

- Develop an Implementation Plan for all Phase 1 Actions
- Develop a Public Outreach and Engagement Plan
- Continue Climate Resilience Efforts
- Investigate and Study the Feasibility of:
  - Carbon fee or trading program
  - Carbon Impact Statement
- Report:
  - Track progress on the top 9 Phase 1 Actions
  - Report to the Joint Sustainability Committee
  - Report back to Council on 9/1/15, 3/1/16, 9/1/16

***Mayor Adler Signed the Mayor's National Climate Action Agenda***



# Implementation Plan

- Purpose
  - Present options for prioritizing Phase I actions to decision makers
  - Identify departmental needs for the FY17 budget process
  - Accountability to action owners
  - Track progress toward interim and long-term goals
- Analysis/Content
  - Tables with all actions and their departmental attributes
  - Summary/Narrative on major action categories



# Actions in the Approved Plan

## 58 actions in Phase 1

- Existing action, currently in an adopted city plan, or new action already in development (or needs research to implement soon)
- Fewer barriers or limiting factors in the way
- Direct large or indirect large avoided emissions
- Additional benefits identified

## 82 actions in Phase 2

- Mostly actions in 2020-2050 timeframe (many are conceptual)
- Larger barriers related to policy, funding, technology
- Smaller/indirect/no impact on emissions
- Fewer additional benefits

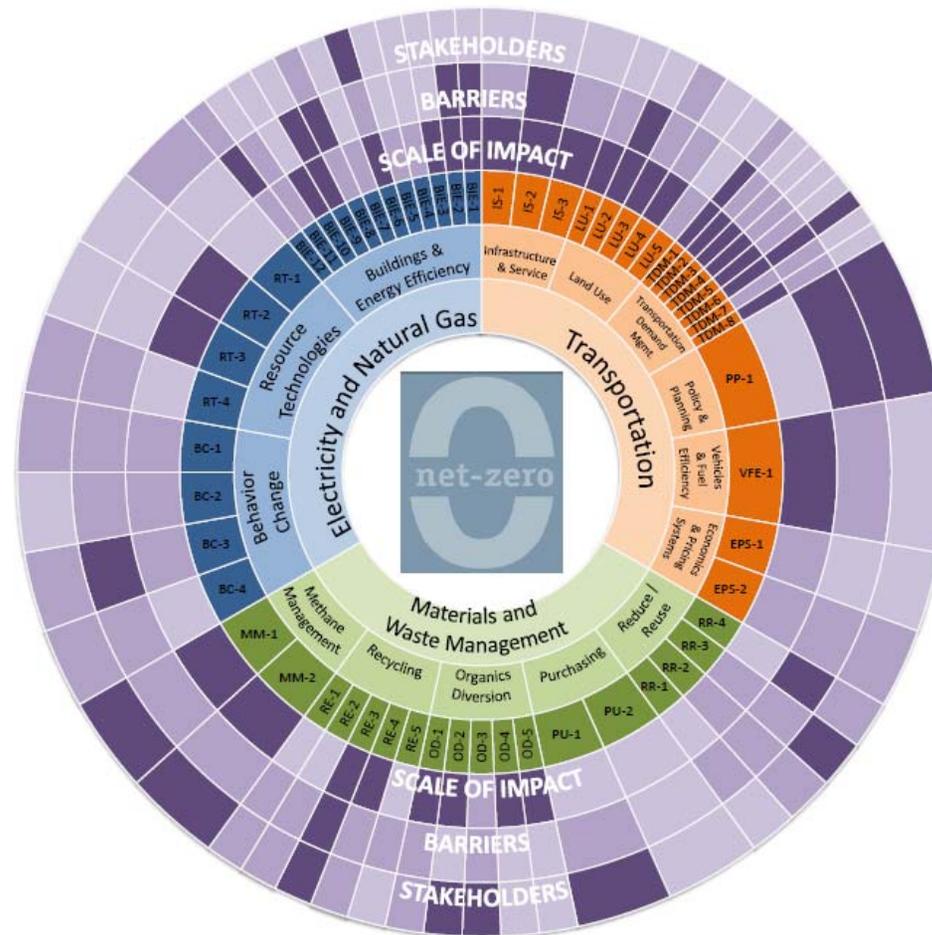


# Phase 1 Actions: New Analysis/Content

- For each Phase 1 action:
  - FY15-16, FY16-17, FY17-18
    - Major activities underway or that need to be developed
    - Cost: \$ in budget and potential additional needs
    - Greenhouse gas emissions reduction (mtCO<sub>2</sub>e)
    - Savings: \$ City and Community, environmental benefits
  - Lead Department/Division
  - Participating partners
  - Narrative to include:
    - Story and Status of the initiative
    - Policy direction needed to move forward
    - Metrics of success (outputs): # of cars off road, kW of reduction



# Example Use of Analysis



Direct Large Impact, Low Barriers, 1 Stakeholder  
Direct Small Impact, Medium Barriers, 2-3 Stakeholders  
Indirect Impact, High Barriers, 4+ Stakeholders



## Next Steps

- Status update sent to Mayor and Council on September 1<sup>st</sup>
- Working with Texas State University on Carbon Fee and Carbon Impact Statement Feasibility Studies – Fall 2015
- Climate resilience – Fall 2015
  - Working with Austin Water and the IWRP Process
  - Beginning to build a Climate Resilience Portal
  - Submitting grant application for 100 Resilient Cities
- Implementation Plan – Completed in early 2016
  - Monthly meetings (August – December)
  - Analysis and write-up by the end of the year



# Other Initiatives in the Office of Sustainability

- Organizational Sustainability Key Performance Indicators
- Sustainable Purchasing
- Facilities data and efficiency support
- Vehicle Fleet Support
- New Staff Training
- Water Conservation Study for the IWRP Task Force
  
- Seaholm EcoDistrict
- 2030 District – SPEER / Partners 4 Places Grant
- Bright Green Future Grants
- Austin Green Business Leaders - Revamp
  
- Food System Planning
- Neighborhood Food Plans – Rundberg Pilot
- Sustainable Food Policy Board



**Questions?**